SEQUENCE LISTING

<110>	Sheppard, Paul O. Presnell, Scott R. Fox, Brian A. Gilbert, Teresa Haldeman, Betty A. Grant, Francis J.
<120>	INTERFERON-LIKE PROTEIN ZCYTO21
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	60/285,424 2001-04-20
	60/215,446 2000-06-30
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	ggc cct gtc ccc act tcc aag ccc aca aca act ggg aag Gly Pro Val Pro Thr Ser Lys Pro Thr Thr Gly Lys 20 25 30
	att ggc agg ttc aaa tct ctg tca cca cag gag cta gcg Ile Gly Arg Phe Lys Ser Leu Ser Pro Gln Glu Leu Ala 40 45
	aag gcc agg gac gcc ttg gaa gag tca ctc aag ctg aaa 192 Lys Ala Arg Asp Ala Leu Glu Glu Ser Leu Lys Leu Lys 55 60
	tgc agc tct cct gtc ttc ccc ggg aat tgg gac ctg agg Cys Ser Ser Pro Val Phe Pro Gly Asn Trp Asp Leu Arg 70 75 80
	gtg agg gag cgc cct gtg gcc ttg gag gct gag ctg gcc 288 Val Arg Glu Arg Pro Val Ala Leu Glu Ala Glu Leu Ala 85 90 95
	aag gtc ctg gag gcc gct gct ggc cca gcc ctg gag gac Lys Val Leu Glu Ala Ala Gly Pro Ala Leu Glu Asp 100 105 110
gtc cta gac	cag ccc ctt cac acc ctg cac cac atc ctc tcc cag ctc 384

Val	Leu	Asp 115	Gln	Pro	Leu	His	Thr 120	Leu	His	His	Ile	Leu 125	Ser	Gln	Leu		
							ccc Pro									4	432
							cgg Arg									4	480
	-		_	_		-	tct Ser	_						_		!	528
							gtg Val									!	576
_	tca Ser						acc Thr 200	tga *								(603
	<2 <2	21.0> 211> 212> 213>	200 PRT	o sag	piens	5	٠.										
Met 1		100> Ala		Trp 5	Thr	Val	Val.	Leu	Val 10	Thr	Leu	Val	Leu	Gly 15	Leu		
	Val	Ala		_	Val	Pro	Thr			Pro	Thr	Thr			Lys		
Gly	Cys		20 Ile	Gly	Arg	Phe	Lys	25 Ser	Leu	Ser	Pro		30 Glu	Leu	Ala		
Ser		35 Lys	Lys	Ala	Arg		40 Ala	Leu	Glu	Glu		45 Leu	Lys	Leu	Lys		
	50 Trp	Ser	Сув	Ser		55 Pro	Val	Phe	Pro		60 Asn	Trp	Asp	Leu			
65 Leu	Leu	Gln	Val	_	70 Glu	Arg	Pro	Val		75 Leu	Glu	Ala	Glu		80 Ala		
Leu	Thr	Leu		85 Val	Leu	Glu	Ala		90 Ala	Gly	Pro	Ala		95 Glu	Asp		
Val	Leu		100 Gln	Pro	Leu	His	Thr	105 Leu	His	His	Ile		110 Ser	Gln	Leu		
Gln		115 Cys	Ile	Gln	Pro		Pro	Thr	Ala	Gly		125 Arg	Pro	Arg	Gly		
	130 Leu	His	His	Trp		135 His	Arg	Leu	Ġln		140 Ala	Pro	Lys	Lys			
145 Ser	Ala	Gly	Cys		150 Glu	Ala	Ser	Val		155 Phe	Asn	Leu	Phe		160 Leu		
Leu	Thr	Arg		165 Leu	Lys	Tyr	Val		170 Asp	Gly	Asp	Leu		175 Leu	Arg		
Thr	Ser	Thr 195	180 His	Pro	Glu	Ser	Thr 200	185					190				
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ccngtnccna cnwsnaarcc nacnacnacn ggnaarggnt gycayathgg nmgnttyaar 120
wsnythwsnc chcargaryt ngchwsntty aaraargchm gngaygchyt ngargarwsn 180
ytnaarytna araaytggws ntgywsnwsn congtnttyc onggnaaytg ggayytnmgn 240
ytnytncarg tnmgngarmg nccngtngcn ytngargcng arytngcnyt nacnytnaar 300
gtnytngarg engengengg neengenytn gargaygtny tngayearee nytneayaen 360
ytncaycaya thytnwsnca rytncargen tgyathcare encareenae ngenggneen 420
mgnccnmgng gnmgnytnca ycaytggytn caymgnytnc argargcncc naaraargar 480
wsngcnggnt gyytngargc nwsngtnacn ttyaayytnt tymgnytnyt nacnmgngay 540
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Met Ala Ala Ala Trp Thr Val Val Leu Val Thr Leu Val Leu Gly Leu
                                     10
gcc gtg gca ggc cct gtc ccc act tcc aag ccc acc aca act ggg aag
                                                                       96
Ala Val Ala Gly Pro Val Pro Thr Ser Lys Pro Thr Thr Gly Lys
                                                                      144
ggc tgc cac att ygc ágg ttc aaa tct ctg tea cca dag gag éta gcg
Gly Cys His Ile Gly Arg Phe Lys Ser Leu Ser Pro Gln Glu Leu Ala
                                                                      192
age tte aag aag gee agg gae gee ttg gaa gag tea ete aag etg aaa
Ser Phe Lys Lys Ala Arg Asp Ala Leu Glu Glu Ser Leu Lys Leu Lys
                         55
                                                                      240
aac tgg agt tgc agc tct cct gtc ttc ccc ggg aat tgg gac ctg agg
Asn Trp Ser Cys Ser Ser Pro Val Phe Pro Gly Asn Trp Asp Leu Arg
                     70
                                          75
                                                                      288
ctt ctc cag gtg agg gag cgc cct gtg gcc ttg gag gct gag ctg gcc
Leu Leu Gln Val Arg Glu Arg Pro Val Ala Leu Glu Ala Glu Leu Ala
                                                                      336
ctg acg ctg aag gtc ctg gag gcc gct gct ggc cca gcc ctg gag gac
Leu Thr Leu Lys Val Leu Glu Ala Ala Gly Pro Ala Leu Glu Asp
gtc cta gac cag ccc ctt cac acc ctg cac cac atc ctc tcc cag ctc
                                                                      384
Val Leu Asp Gln Pro Leu His Thr Leu His His Ile Leu Ser Gln Leu
        115
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cag gcc tgt atc cag cct cag ccc aca gca ggg ccc agg ccc cgg ggc
                                                                     432
Gln Ala Cys Ile Gln Pro Gln Pro Thr Ala Gly Pro Arg Pro Arg Gly
                        135
                                                                     480
cgc ctc cac cac tgg ctg cac cgg ctc cag gag gcc ccc aaa aag gag
Arg Leu His His Trp Leu His Arg Leu Gln Glu Ala Pro Lys Lys Glu
                    150
                                        155
tcc gct ggc tgc ctg gag gca tct gtc acc ttc aac ctc ttc cgc ctc
                                                                     528
Ser Ala Gly Cys Leu Glu Ala Ser Val Thr Phe Asn Leu Phe Arg Leu
                165
                                    170
                                                                     576
ctc acg cga gac ctc aaa tat gtg gcc gat ggg aac ctg tgt ctg aga
Leu Thr Arg Asp Leu Lys Tyr Val Ala Asp Gly Asn Leu Cys Leu Arg
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                                185
acg tca acc cac cct gag tcc acc tga
                                                                     603
Thr Ser Thr His Pro Glu Ser Thr
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Ala Val Ala Gly Pro Val Pro Thr Ser Lys Pro Thr Thr Gly Lys
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                                25
                                                    3.0
Gly Cys His Ile Gly Arg Phe Lys Ser Leu Ser Pro Gln Glu Leu Ala
       35
                           40
                                                45
Ser Phe Lys Lys Ala Arg Asp Ala Leu Glu Glu Ser Leu Lys Leu Lys
                        55
                                           60
Asn Trp Ser Cys Ser Ser Pro Val Phe Pro Gly Asn Trp Asp Leu Arg
                   70
                                        75
Leu Leu Gln Val Arg Glu Arg Pro Val Ala Leu Glu Ala Glu Leu Ala
                                    90
                                         95
                85
Leu Thr Leu Lys Val Leu Glu Ala Ala Ala Gly Pro Ala Leu Glu Asp
            100
                                105
                                                    110
Val Leu Asp Gln Pro Leu His Thr Leu His His Ile Leu Ser Gln Leu
                            120
Gln Ala Cys Ile Gln Pro Gln Pro Thr Ala Gly Pro Arg Pro Arg Gly
   130
                       135
                                            140
Arg Leu His His Trp Leu His Arg Leu Gln Glu Ala Pro Lys Lys Glu
                    150
                                        155
Ser Ala Gly Cys Leu Glu Ala Ser Val Thr Phe Asn Leu Phe Arg Leu
               165
                                    170
                                                        175
Leu Thr Arg Asp Leu Lys Tyr Val Ala Asp Gly Asn Leu Cys Leu Arg
                                185
Thr Ser Thr His Pro Glu Ser Thr
        195
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	gtg g Val V																1	63		
	ccc a Pro T																2	11		
	ttc a Phe L																2	59		
	gac g Asp A 55																3	07		*
	cct ģ Pro V																3	55		
er an is	egese Arg P												Leu				.4	03	7. 3.	
	gag g Glu A	la <i>P</i>															4	51.		
	cac a His T										Gln						4	99		
	cag c Gln P 135										cgc	ctc					5	47 ·		
	cac c His A		Leu	Gln	Glu	Ala	Pro		Lys	Glu	Ser	Ala	Gly	Cys			5:	95		•
	gca t Ala S	_							_			_	-	_			6.	43		
	tat g Tyr V	al P															6	91		
	tcc a Ser T		tga *	caco	ccac	cac d	cttat	ttat	g c	gctga	agcco	c tad	etect	tcc			7	40		
	ttaat tgagt								_		-		_		-	agggc ga		00 56		

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orași estă Lienticeă

> 97 632

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                                                        15
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            20
                                25
Gly Cys His Ile Gly Arg Phe Lys Ser Leu Ser Pro Gln Glu Leu Ala
                            40
                                                45
Ser Phe Lys Lys Ala Arg Asp Ala Leu Glu Glu Ser Leu Lys Leu Lys
                        55
                                            60
Asn Trp Ser Cys Ser Ser Pro Val Phe Pro Gly Asn Trp Asp Leu Arg
                    70
                                        75
Leu Leu Gln Val Arg Glu Arg Pro Val. Ala Leu Glu Ala Glu Leu Ala
                                    90
                                                        95
               85
Leu Thr Leu Lys Val Leu Glu Ala Ala Gly Pro Ala Leu Glu Asp
                                105
Val Leu Asp Gln Pro Leu His Thr Leu His His Ile Leu Ser Gln Leu
        115
                            120
                                                125
Gln Ala Cys Ile Gln Pro Gln Pro Thr Ala Gly Pro Arg Pro Arg Gly
                        135
                                            140
Arg Leu His His Trp Leu His Arg Leu Gln Glu Ala Pro Lys Lys Glu
                    150
                                        155
Ser Ala Gly Cys Leu Glu Ala Ser Val Thr Phe Asn Leu Phe Arg Leu
a 165
                                    170 175
Leu Thr Arg Asp Leu Lys Tyr Val Ala Asp Gly Asn Leu Cys Leu Arg
           180
                                185
                                                    190
Thr Ser Thr His Pro Glu Ser Thr
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                                                       10
                                                                     100
gga agc agt tgc gat tta gcc atg gct gca gct tgg acc gtg gtg ctg
Gly Ser Ser Cys Asp Leu Ala Met Ala Ala Ala Trp Thr Val Val Leu
         15
                             20
gtg act ttg gtg cta ggc ttg gcc gtg gca ggc cct gtc ccc act tcc
                                                                     148
Val Thr Leu Val Leu Gly Leu Ala Val Ala Gly Pro Val Pro Thr Ser
                                                                     196
aag ccc acc aca act ggg aag ggc tgc cac att ggc agg ttc aaa tct
Lys Pro Thr Thr Gly Lys Gly Cys His Ile Gly Arg Phe Lys Ser
                     50
ctg tca cca cag gag cta gcg agc ttc aag aag gcc agg gac gcc ttg
                                                                     244
Leu Ser Pro Gln Glu Leu Ala Ser Phe Lys Lys Ala Arg Asp Ala Leu
                                     70
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_				_	_				-	_	_			gtc Val			292
Giu	Giu	Ser	80	БУS	БСС	цуз	ASII	85	501	Cys	Ser	Ser	90	vai	rne		
				-	_				_				_	cct Pro			340
														gcc Ala			388
_			_	_		_	_		_	_				acc Thr	_		436
														ccc Pro 155			484
-							_					_		cgg Arg			532
											Leu			tct. Ser		.:	580
					_			_	_	_				gtg Val	-	· ·	628
-		_	_	_	_	_	_				cct Pro			acc Thr	tga *		676
			•									•					

<210> 9

y w'. Village

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<213> Homo sapiens

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Met Val Pro Thr Thr Leu Ala Glu Pro Cys Arg Trp Gly Ser Ser Cys 5 10 Asp Leu Ala Met Ala Ala Ala Trp Thr Val Val Leu Val Thr Leu Val 20 25 30 Leu Gly Leu Ala Val Ala Gly Pro Val Pro Thr Ser Lys Pro Thr Thr 35 45 40 Thr Gly Lys Gly Cys His Ile Gly Arg Phe Lys Ser Leu Ser Pro Gln 55 60 Glu Leu Ala Ser Phe Lys Lys Ala Arg Asp Ala Leu Glu Glu Ser Leu 70 75 Lys Leu Lys Asn Trp Ser Cys Ser Ser Pro Val Phe Pro Gly Asn Trp 85 90 Asp Leu Arg Leu Cln Val Arg Glu Arg Pro Val Ala Leu Glu Ala 100 105 110 Glu Leu Ala Leu Thr Leu Lys Val Leu Glu Ala Ala Gly Pro Ala 120 Leu Glu Asp Val Leu Asp Gln Pro Leu His Thr Leu His His Ile Leu 130 135 140

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Ser Gln Leu Gln Ala Cys Ile Gln Pro Gln Pro Thr Ala Gly Pro Arg
145
                    150
                                        155
Pro Arg Gly Arg Leu His His Trp Leu His Arg Leu Gln Glu Ala Pro
                165
                                    170
Lys Lys Glu Ser Ala Gly Cys Leu Glu Ala Ser Val Thr Phe Asn Leu
            180
                                185
                                                     190
Phe Arg Leu Leu Thr Arg Asp Leu Lys Tyr Val Ala Asp Gly Asp Leu
                            200
                                                 205
Cys Leu Arg Thr Ser Thr His Pro Glu Ser Thr
    210
                        215
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gengengent ggaengtngt nytngtnaen ytngtnytng gnytngengt ngenggneen
                                                                       120
                                                                    4 · 130
gtnecnacnw snaarcenac nacnaenggn aarggntgye ayathggnmg nttyaarwsn
                                                                   240
ytnwsncene argarytnge nwsnttyaar aargenmgng aygenytnga rgarwsnytn
aarytnaara aytggwsntg ywsnwsnccn gtnttyccng gnaaytggga yytnmgnytn
                                                                    51 j.3 0 0aa - 1
ytncargtnm gngarmgncc ngtngcnytn gargengary tngcnytnac nytnaargtn
                                                                     3. 360
                                                                    420
ytngargeng engenggnee ngenytngar gaygtnytng ayeareenyt neayaenytn
caycayathy tnwsncaryt ncargentgy atheareene areenaenge nggncenmgn
                                                                      480
ccnmgnggnm gnytncayca ytggytncay mgnytncarg argcnccnaa raargarwsn
                                                                       540
genggntgyy tngargenws ngtnaentty aayytnttym gnytnytnae nmgngayytn
                                                                       600
aartaygtng cngayggnga yytntgyytn mgnacnwsna cncayccnga rwsnacntrr
                                                                       660
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gtg act ttg gtg cta ggc ttg gcc gtg gca ggc cct gtc ccc act tcc
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Val Thr Leu Val Leu Gly Leu Ala Val Ala Gly Pro Val Pro Thr Ser
         15
aag ccc acc aca act ggg aag ggc tgc cac att ggc agg ttc aaa tct
                                                                      148
Lys Pro Thr Thr Gly Lys Gly Cys His Ile Gly Arg Phe Lys Ser
     30
                         35
                                                                      196
ctg tca cca cag gag cta gcg agc ttc aag aag gcc agg gac gcc ttg
Leu Ser Pro Gln Glu Leu Ala Ser Phe Lys Lys Ala Arg Asp Ala Leu
 45
                     50
                                          55
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-				_	_		aac Asn		_	_	-			_		2	244
				_	_		ctt Leu		_				_			2	292
_	-		_		_	_	ctg Leu 100	_	_	_	_	_		-	_	;	340
							gtc Val									;	388
					_		cag Gln	-	_		_		_			4	436
							cgc Arg										484
		Āla		Lys			tcc Ser	Ala 165	Gly	Cys 							532
		aac Asn	ctc	ttc Phe			ctc Leu 180	acg	cga	gac	ctc				gcc Ala		580
							acg Thr								tga *	(628

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145
                    150
                                         155
Lys Lys Glu Ser Ala Gly Cys Leu Glu Ala Ser Val Thr Phe Asn Leu
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Phe Arg Leu Leu Thr Arg Asp Leu Lys Tyr Val Ala Asp Gly Asp Leu
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            180
                                185
Cys Leu Arg Thr Ser Thr His Pro Glu Ser Thr
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                            200
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                                                                       120
mgnttyaarw snytnwsncc ncargarytn gcnwsnttya araargcnmg ngaygcnytn
                                                                       180
gargarwsny tnaarytnaa raaytggwsn tgywsnwsnc cngtnttycc nggnaaytgg
                                                                        240
gayytnmgny tnytncargt nmgngarmgn congtngony tngargonga rytngonytn
                                                                       300
acnytnaarg tnytngargc ngcngcnggn ccngcnytng argaygtnyt ngaycarccn
                                                                       360
                                                                     420
ytncayacny thoaycayat hytnwsncar ytncargont gyathcarec nearcenach
genggneenm gneenmgngg nmgnytheay caytggythe aymgnythea rgargeneen
                                                                       480
aaraargarw sngcnggntg yytngargcn wsngtnacnt tyaayytntt ymgnytnytn
                                                                        54.0
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acnmgngayy tnaartaygt ngengayggn gayytntgyy tnmgnacnws nacncayeen
garwsnacnt rr
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cgtcctagac cagccccttc ac
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